



# PRIME ADHERE™

— STICKS TO DAMP & OILY SURFACES WHERE OTHER SEALANTS FAIL —

Take **Prime Adhere**, use it to seal a problem roof, siding or gutter and then relax. Your task is finished. The seal will last. You don't have to worry any further. Enjoy peace of mind, knowing the job's well done. **Prime Adhere** is specially designed to be used in demanding applications where dampness, movement and temperature are major factors. Where other sealants fail to do the job, **Prime Adhere** grabs the surface and sticks and keeps on sticking, and sticking, and sticking. **Prime Adhere** delivers outstanding adhesion performance even in humid substrates where oil and gas may be present. Like all products from **Prime Sealants**, **Prime Adhere** is a "Best in Class Problem Solver."

## Special Properties

- ✧ Bitumen compatible
- ✧ Free of isocyanate & silicone
- ✧ Environmentally friendly
- ✧ Compatible with paints in accordance with DIN 52452-4, A1 & A2
- ✧ Weather-resistant
- ✧ Aging-resistant
- ✧ Good UV resistance
- ✧ Long shelf-life
- ✧ Perfect for permanent air-tight bonding of vapor barrier sheets in roofing applications
- ✧ Seals to almost all substrates, even on non-porous humid substrates
- ✧ Available in 4 colors: Clear, White, Black & Gray
- ✧ Paintable within 1 hour

## Fields of Application

- ✧ Creates a permanent air-tight bond in connecting joints and overlaps between roofs and walls that experience moderate movement stress and is especially effective when used on the following surfaces:
  - ✧ Concrete
  - ✧ Masonry
  - ✧ Brickwork
  - ✧ Plaster
  - ✧ Gypsum
  - ✧ Wood
  - ✧ Anodized Aluminum
  - ✧ Hard PVC
  
- ✧ Other applications where **Prime Adhere** may be used include but are not limited to:
  - ✧ Sealing and Jointing
  - ✧ Roofing Felts
  - ✧ Joints around Doors
  - ✧ Joints around Dormer Windows
  - ✧ Door Jams
  - ✧ Vents
  - ✧ Gutters
  - ✧ Siding
  - ✧ Roofs
  - ✧ Flashing
  - ✧ Plastic Pipes
  - ✧ Heating & Air Conditioning Ducts
  - ✧ Problem Surfaces such as Galvanized Metal, Plaster & Gypsum (see above)
  
- ✧ **Prime Adhere** is ideal for use in the Marine Industry, including to seal:
  - ✧ Portholes
  - ✧ Seams
  - ✧ Instrument panels
  - ✧ Deck hardware
  - ✧ Transoms

NOTE: **Prime Adhere** must not be used in the sanitary sector or on marble or natural stone. Also, **Prime Adhere** contains no polycarbonates and in fact can damage polycarbonate surfaces and must not be allowed to come into contact with anything using polycarbonate materials.

## Yield

One 10.2 ounce tube (310 ML) of **Prime Adhere** is sufficient for completing about 31.5 feet (9.6 meters) of joints measuring ¼ inch x ¼ inch (6.25 MM x 6.25 MM) or about 7 ½ feet (2.25 meters) of joints measuring ½ inch x ½ inch (12.7 MM x 12.7 MM).

## Colors & Packaging

**Prime Adhere** comes in four colors: Clear, White, Gray and Black. **Prime Adhere** is available in 10.5 ounce (310 ML) cartridges, packed in cases of 20 tubes. Other sizes of packaging are available by request on a special order basis.

## Application Information

**SUBSTRATE PRETREATMENT:** The substrate must be firm and free of dust and grease. Before applying **Prime Adhere**, remove all cement slurry, mold release agents and impregnations. In renovation projects, old sealants and remains of paint and loose material must be fully removed. The joint must always be provided with a suitable, correctly dimensioned joint backing, such as, for example, PE cord or PE sheeting, to prevent adhesion on three faces. To avoid contamination and to achieve a precise joint, we recommend masking the joint edges with adhesive tape before applying a primer and filling the joint with **Prime Adhere**.

**JOINT DIMENSIONS:** For joint widths of a minimum of .2 inches (5 MM), a square cross-section is advised. For wider joints (up to 1 inch [25 MM] maximum), the joint depth should be equal to half the joint width in accordance with DIN 18540, Sheet 3. Make sure that triangular bevels have uniform sides of equal length with at least ¼ inch (7 MM) of bonding surface.

**SMOOTHING:** After applying **Prime Adhere** with a suitable hand-operated, battery-powered or pneumatic caulking gun, Seal can be smoothed in the joint with water or with a neutral, non-staining water-based smoothing agent and a suitable tool (*e.g. a* jointing trowel). Any adhesive tape used can be removed immediately after smoothing.

**IMPORTANT INFORMATION:** Clean tools with solvent immediately after use. Cured **Prime Adhere** must be removed mechanically. Remaining residues can be softened with solvent and wiped off some time later. The product cures by means of drying. High humidity, low temperature and joint depth above ⅛ inch (15 MM) can delay skin formation and curing significantly. During drying, the color will slightly change.

The product is compatible with most paint systems. Owing to the large number of different coating systems on the market, we nevertheless recommend that you conduct your own tests concerning compatibility and adhesion prior to application. Joints subject to expansion must not be painted over, since most paint systems will crack due to their lower elasticity when compared to **Prime Adhere**. If joints with low movement are painted over, **Prime Seal** must be allowed to dry for at least seven days before the paint is applied.

The function of the product can only be guaranteed if correctly applied in accordance with the technical recommendations given in this data sheet and in related standards. Application of **Prime Seal** in situations with strongly fluctuating temperatures that may cause premature stressing of the sealant should be avoided.

### Technical Data (Metric)

Density (DIN EN ISO 2811-1)	1.05 ± 0.03 g/cm <sup>3</sup>
Skin Forming Time (23° C/50% R. H.)	Approximately 30 minutes
Penetration (DIN 51579 / 5 sec.)	200 ± 30 1/10 MM
Slump (in accordance with ASTM 2202)	≤ 2 MM
Shore A Hardness (DIN 53505, 28 d)	10 ± 4 units
Tensile Modulus (DIN EN ISO 8339-A, 100%)	Approximately 0.1 N/MM <sup>2</sup>
Maximum Movement Tolerance	25%
Mass Loss (DIN EN ISO 10563)	Maximum 30%
Water Vapor Diffusions Resistance (23°C, 50% => 0%)	μ = approximately 3500 sd = approximately 35 M (10 MM thickness of sealant)
Application Temperature (sealant & substrate)	+5° C to +35° C
Temperature Stability (fully-cured sealant)	-25° C to +80° C
Shelf Life (originally closed packaging)	24 months (+5° C to +35° C)

Rate of curing depends on temperature, humidity and substrate absorbency. The data given refer to tests at standard conditions (73° F [23° C] / 50 percent relative humidity). Under these conditions, a 3/8 inch x 3/8 inch (10 MM x 10 MM) joint will cure in approximately 14 days (with at least one substrate being absorbent). Low temperature, high humidity and joint depth above 9/16 inches (15 MM) will retard skin formation and curing significantly.

Data given were determined shortly after production, and may slightly vary with increasing age of product and for different colors. They are not meant for specification purposes.

**For safety data, see Safety Data Sheet.** Take all preventive measures specified in the Safety Data Sheet and in the hazard markings to prevent accidents and protect health.

*Information provided in this data sheet is based on the current state of knowledge. This does not exempt purchasers from carrying out their own careful inspections of incoming goods in individual cases. We reserve the right to make changes to the product data in the course of technical progress or due to operationally-related further development. Owing to factors beyond our control during application, recommendations given in this data sheet require tests and experiments by customers. Our recommendations do not exempt customers from the obligation to check any infringements of third-party rights themselves and eliminate them if necessary. The suggestions made herein for product use are not equivalent to a warranty of its suitability for the recommended purpose.*

*Each new release of this data sheet supersedes the previous one.*

***For more information, contact:***

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